

Abstract**A Stator Core**

5 A stator core 2 comprises laminations (9) of low loss
stator iron forming a body of magnetic nature and lamination
components (11) of high thermal conductivity material
regularly arranged within that body. The high thermal
conductivity components (11) increasing the effective radial
10 thermal conductivity rate of the core 2 whereby temperature
gradients are reduced in comparison with previous stator
cores. Thus, there is a reduction in operational temperature
of the electrical insulation on the stator windings.

15 (Fig 2)